

What is claimed is:

1. An electrical connector comprising:

a dielectric housing comprising an elongate base having a rear face and a mating portion extending from the base and having a mating face, the base defining a cavity open to the rear face, the mating portion defining a receiving space open to the mating face and in communicating with the cavity; and

a terminal subassembly comprising a first and a second terminal modules stacked together, each of the first and the second terminal modules comprising a dielectric body received in the cavity and a plurality of terminals, each terminal comprising a retaining portion received in the dielectric body, a contacting portion extending into the receiving space and a tail portion extending beyond the rear face of the base, the dielectric body of the first terminal module comprising a first face and a plurality of projections formed on the first face thereof, the dielectric body of the second terminal module comprising a first face and a plurality of recesses on the first face thereof engaging with the corresponding projections of the first terminal module; wherein

a width of each projection gradually increases from a first position adjacent to the first face of the dielectric body of the first terminal module to a second position adjacent to a top face of the projection.

2. The electrical connector as claimed in claim 1, wherein the dielectric body of the first terminal modules defines a plurality of recesses between two adjacent projections thereof, and wherein the dielectric body of the second terminal module comprises a plurality of projections between two adjacent recesses thereof engaging with the recesses of the first terminal module.

3. The electrical connector as claimed in claim 1, wherein the projections of the first and the second terminal module are dove-tail shaped.

4. The electrical connector as claimed in claim 3, wherein the dielectric body

of the first terminal module is formed with a protrusion in each recess thereof and wherein the dielectric body of the second terminal module defines a cutout on each projection thereof to engage with a corresponding protrusion of the first terminal module.

5. The electrical connector as claimed in claim 1, wherein each dielectric body comprises a wedged second face opposite to the first face thereof to interferentially engage with a corresponding wall of the cavity.

6. The electrical connector as claimed in claim 1, wherein the base defines a plurality of holes in two opposite inside walls of the cavity, and wherein the dielectric bodies of the first and the second terminals comprise a plurality of protrusions on the second face thereof to engage with the holes of the base.

7. The electrical connector as claimed in claim 1, wherein the base of the dielectric housing comprises a pair of ribs on two opposite inside walls of the cavity, and wherein each dielectric body comprises a pair of dents at opposite sides thereof, each one of dents of the first terminal module and the corresponding one of dents of the second terminal module form a slot to receive the corresponding rib of the base.

8. The electrical connector as claimed in claim 1, wherein the mating portion defines a plurality of channels in two opposite inside walls of the receiving space, and wherein the contacting portions of the terminals are received in the channels.

9. The electrical connector as claimed in claim 1, wherein the base defines a plurality of recesses communicating with the cavity, and wherein each dielectric body defines a plurality of bulges engaging with corresponding recesses of the base.

10. The electrical connector as claimed in claim 1, wherein the terminals are insert-molded in associated dielectric body.

11. An electrical connector comprising:

an insulative housing defining a cavity in a rear portion and a receiving space in a front portion and in communication with said cavity;
a terminal subassembly inserted into said cavity and including a plurality of terminal modules stacked on one another, each of said terminal modules extending along a lengthwise direction and retaining therein a plurality of terminals which extend into the receiving space, an interface between the two adjacent terminal modules being equipped with a structure of dovetail joint so as to allow assembling of said two adjacent terminal modules only along a front-to-back direction perpendicular to said lengthwise direction and be unable to be separated from each other in a vertical direction perpendicular to both said lengthwise direction and said front-to-back direction.